

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

PCT

To:
FETHERSTONHAUGH & CO.
 Attn. Robinson J. Christopher
 Box 11560, Vancouver Centre
 650 West Georgia Street, Suite 2200
 Vancouver, British Columbia V6B 4N8
 CANADA



(PCT Rule 44.1)

| | |
|---|---|
| Applicant's or agent's file reference 40478-155 | FOR FURTHER ACTION See paragraphs 1 and 4 below |
| International application No. PCT/CA 00/00321 | International filing date (day/month/year) 24/03/2000 |
| Applicant ANORMED INC. | |

1. The applicant is hereby notified that the International Search Report has been established and is transmitted herewith.

Filing of amendments and statement under Article 19:

The applicant is entitled, if he so wishes, to amend the claims of the International Application (see Rule 46):

When? The time limit for filing such amendments is normally 2 months from the date of transmittal of the International Search Report; however, for more details, see the notes on the accompanying sheet.

Where? Directly to the International Bureau of WIPO
 34, chemin des Colombettes
 1211 Geneva 20, Switzerland
 Fascimile No.: (41-22) 740.14.35

For more detailed instructions, see the notes on the accompanying sheet.

2. The applicant is hereby notified that no International Search Report will be established and that the declaration under Article 17(2)(a) to that effect is transmitted herewith.

3. With regard to the protest against payment of (an) additional fee(s) under Rule 40.2, the applicant is notified that:

- the protest together with the decision thereon has been transmitted to the International Bureau together with the applicant's request to forward the texts of both the protest and the decision thereon to the designated Offices.
- no decision has been made yet on the protest; the applicant will be notified as soon as a decision is made.

4. **Further action(s):** The applicant is reminded of the following:

Shortly after 18 months from the priority date, the international application will be published by the International Bureau. If the applicant wishes to avoid or postpone publication, a notice of withdrawal of the international application, or of the priority claim, must reach the International Bureau as provided in Rules 90bis.1 and 90bis.3, respectively, before the completion of the technical preparations for international publication.

Within 19 months from the priority date, a demand for international preliminary examination must be filed if the applicant wishes to postpone the entry into the national phase until 30 months from the priority date (in some Offices even later).

Within 20 months from the priority date, the applicant must perform the prescribed acts for entry into the national phase before all designated Offices which have not been elected in the demand or in a later election within 19 months from the priority date or could not be elected because they are not bound by Chapter II.

| | |
|---|--------------------------------------|
| Name and mailing address of the International Searching Authority  European Patent Office, P.B. 5818 Patentlaan 2 NL-2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 | Authorized officer Heike Zoglauer |
|---|--------------------------------------|

DOCKETED

Response to Search Rep.
9/16/00

INTERNATIONAL SEARCH REPORT

Int'l Application No
PCT/CA 00/00321

A. CLASSIFICATION OF SUBJECT MATTER

| | | | | | |
|-------|------------|------------|------------|------------|------------|
| IPC 7 | C07D401/12 | C07D401/14 | C07D413/14 | C07D213/38 | C07D409/14 |
| | C07D407/14 | C07D417/14 | A61K31/435 | | |

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category ° | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|---|---|
| X | <p>D. GHOSH ET. AL.: "Modelling Tyrosinase Monooxygenase Activity. Spectroscopic and Magnetic Investigations of Products Due to Reactions Between Copper(I) Complexes of Xylol Based Dinucleating Ligands and Dioxygen." INORGANIC CHEMISTRY, vol. 37, no. 26, 1998, pages 6597-6605, XP000916780 page 6598, Chart 1</p> <p>—</p> | 1, 2, 55, 65 |
| X | <p>L. CASELLA ET. AL.: "Functional Modelling of Tyrosinase. Mechanism of Phenol ortho-Hydroxylation by Dinuclear Copper Complexes." INORGANIC CHEMISTRY, vol. 35, 1996, pages 7516-25, XP000916781 page 7517; figure 1</p> <p>—</p> | 1-3, 7, 9, 14, 15, 45, 46, 51-53, 55-60, 65 |
| | | -/- |

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the International search

20 July 2000

Date of mailing of the international search report

16.08.00

Name and mailing address of the ISA

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Authorized officer

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INTERNATIONAL SEARCH REPORT

Inte onal Application No

PCT/CA 00/00321

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|----------|--|----------------------------|
| X | Y. GULTNEH ET. AL.: "Modelling the multinuclear Redox-Active Manganese Enzymes. Synthesis, Structure and Properties of a Bis(dinuclear Mn(III)-oxo-bis(acetato)) Complex. " INORGANIC CHEMISTRY, vol. 34, no. 14, 5 July 1995 (1995-07-05), pages 3633-45, XP000916691 page 3634, compound L --- | 1,2, 51-53, 55-60,65 |
| X | W. KANDA ET. AL.: "A Model of Seminet Hemerythrin. NMR Spectroscopic Evidence of Valence Localisation in Bis(carboxylato)-(phenolato)-diiron(II,III) Complexes in Solution. " ANGEWANDTE CHEMIE, INTERNATIONAL EDITION IN ENGLISH, vol. 34, no. 5, 1995, pages 588-90, XP000919209 page 589, Scheme 2 --- | 1,2, 51-53, 55-60,65 |
| A | US 5 698 546 A (BRIDGET ET. AL.) 16 December 1997 (1997-12-16) column 1, line 1 -column 2, line 7; claims; examples --- | 1-118 |
| A | US 5 583 131 A (BRIDGER ET. AL.) 10 December 1996 (1996-12-10) claims; examples --- | 1-118 |
| A | EP 0 434 385 A (JOHNSON MATTHEY) 26 June 1991 (1991-06-26) page 2, line 1 - line 39; claims; examples --- | 1-118 |
| A | WO 99 04794 A (MERCK & CO.) 4 February 1999 (1999-02-04) page 1, line 6 -page 4, line 9; claims; examples ----- | 1-118 |

INTERNATIONAL SEARCH REPORT

Inform. on patent family members

Int'l Application No

PCT/CA 00/00321

| Patent document cited in search report | Publication date | Patent family member(s) | | Publication date |
|--|------------------|--|--|--|
| US 5698546 | A 16-12-1997 | AU 681478 B AU 1324595 A CA 2179530 A EP 0739345 A FI 962810 A WO 9518808 A HU 74429 A JP 9509407 T NO 962899 A NZ 277859 A | | 28-08-1997 01-08-1995 13-07-1995 30-10-1996 10-07-1996 13-07-1995 30-12-1996 22-09-1997 10-07-1996 27-07-1997 |
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| EP 434385 | A 26-06-1991 | US 5021409 A AT 130514 T AU 639514 B AU 6809090 A CA 2032261 A DE 69023748 D DE 69023748 T DK 434385 T ES 2079453 T GR 3018206 T HU 67031 A HU 9400011 A IE 71640 B IL 96666 A JP 6219945 A KR 180019 B NZ 236463 A PT 96289 A, B US 6001826 A ZA 9010184 A | | 04-06-1991 15-12-1995 29-07-1993 27-06-1991 22-06-1991 04-01-1996 02-05-1996 18-12-1995 16-01-1996 29-02-1996 30-01-1995 28-09-1994 26-02-1997 31-01-1996 09-08-1994 20-03-1999 28-04-1992 15-10-1991 14-12-1999 27-11-1991 |
| WO 9904794 | A 04-02-1999 | AU 8576098 A EP 1003514 A | | 16-02-1999 31-05-2000 |